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UNIVERSITY OF TORONTO
UNIVERSITY EXTENSION

Winter Term, 1960

Introductory Course

in

TRAFFIC ENGINEERING

INTRODUCTORY COURSE IN TRAFFIC ENGINEERING

Thursdays **10 lectures**

These lectures, offered in co-operation with the Department of Civil Engineering, C. F. Morrison, M.Sc., Head, are designed as an introduction to the subject, presenting a basic idea of traffic movement, control and planning, concentrating upon subjects common to both rural and urban conditions. Junior traffic engineers as well as traffic consultants and planners should find it useful.

Course Director: Professor M. M. Davis
Department of Civil Engineering.

Lecturers: W. Q. Macnee,
Traffic Engineer,
Ontario Department of Highways.

P. E. Wade,
Planning Section,
Department of Highways.

Place: Room 128, Mining Building.

Time: Thursdays, 7.30 p.m., beginning January 21, and the term will end March 24 .

Fee: $20.00 (Payable to the University of Toronto).

Registration:

By mail or in person at Room 207, 65 St. George Street, 9:00 a.m. to 5:00 p.m. daily, except Saturdays. Additional application forms may be obtained by writing to the Director, University Extension, 65 St. George Street, Toronto 5, or by telephoning WA. 3-6611, locals 301 and 307.

PROGRAMME

January 21

THE TRAFFIC ENGINEERING PROFESSION AND STUDY

Scope of Traffic Engineering: characteristics, operations, planning, geometric design and administration.

January 28

TRAFFIC VOLUME & CHARACTERISTICS

Human and vehicular elements, traffic volumes, traffic speeds, travel time and speed-and-delay.

February 4

ORIGIN-DESTINATION SURVEYS AND TRAFFIC ASSIGNMENT

Need, techniques of field operations, reduction of data, analysis, application of data to specific projects and techniques of traffic assignments.

February 11

CAPACITY (ROAD, STREET & INTERSECTION)

Operating speed and other controlling factors, road and lane capacity, intersection capacity and weaving capacity.

February 18

SPEED STUDIES AND ZONING

Spot speed studies, analysis of data, speed control and zoning and need for enforcement.

February 25

TRAFFIC AND DESIGN

Classification of roads and streets, design factors (speeds, volumes, capacities) and design elements (widths, grades, curves).

March 3

INTERSECTION CONTROL (CHANNELIZATION AND ISLANDS)

Objectives and methods (channelization, one-way streets, etc.)

March 10

INTERCHANGE AND FREEWAY DESIGN

Interchange types and design, rural and urban freeways and expressways-at-grade.

March 17

SIGNS, SIGNALS AND MARKINGS

Explanation of Manual on Uniform Traffic Control Devices for Canada.

March 24

TRAFFIC PLANNING

Road and street needs studies, urban transportation studies.